Flow sight glass type 551 PN 16/40

With internal thread / female thread

Type 551

With internal thread BSP or NPT

USAGE

For monitoring filling and flow in pipelines. The sight glass allows for reliable monitoring of the function and performance of individual devices as well as entire systems. Type 551 flow sight glasses are suitable for mounting on pipe threads BSP or NPT. The sight glasses are delivered pre-assembled and ready for installation.

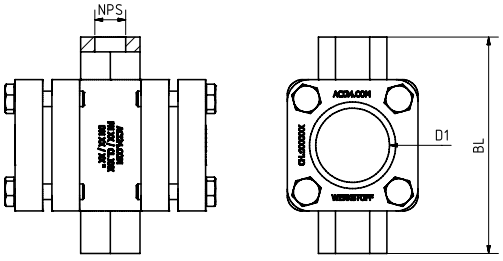
Operating conditions:	
Temperature: (depending on glass and gasket)	150 °C Soda-lime glass DIN 8902 280 °C Borosilicate glass DIN 7080 300 °C Borosilicate glass DIN 7080 with mica protection discs
Pressure:	≤ 16 / 25 / 40 barg

Materials:	
Cover flange and body:	1.4408
Glass:	Borosilicate glass DIN 7080 Soda-lime glass DIN 8902
Gasket:	Graphite; C4400; PTFE; FKM;
Screws:	A4-70

INSTALLATION NOTE

The connection must be sealed with appropriate sealing material to reach the specified pressure level. The connection thread is not designed to be self-sealing!

DRAWING



NPS	1/4"	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"
BL	100	100	100	120	120	160	160	230
D1	32	32	32	48	48	65	65	80

PRODUCT CODE

Example for Explaining the Code Composition

11 - 551 - G - 5 - 1 - 3 - 1 - 4 - 000

GROUP	TYPE	THREAD	NPS	PN	BODY	GLASS	GASKET	VARIANT
11	551	G) BSP	1) 1/4"	1) 16	3) 1.4408	1) Borosilicate glass DIN 7080	1) PTFE	000: Standard variant
		N) NPT	2) 3/8"	2) 25		2) Soda-lime glass DIN 8902	2) FKM	001: Rotor PTFE (260°C)
			3) 1/2"	3) 40			4) C4400	G00) Mica
			4) 3/4"				7) Graphite	
			5) 1"					
			6) 1 1/4"					
			7) 1 1/2"					
			8) 2"					

Unless otherwise specified, the highlighted factory standard will be delivered.

EXAMPLE

The product code 11-551-G-5-1-3-1-4-000 corresponds to the standard version:
ACI Type 551
G1" BSP Internal thread / female thread
PN 16
Body 1.4408
Cover flanges 1.4408
Borosilicate glass DIN 7080
Gasket KlingerSil® C4400

For aggressive media or steam, mica discs should be used to protect the glasses.

Flow sight glass type 551 PN 16/40

With internal thread / female thread

Type 551

QUICK OVERVIEW

max. 40 barg

heat resistant up to 300 °C

for liquid media

for gaseous media

Nominal size 1/4" - 2"

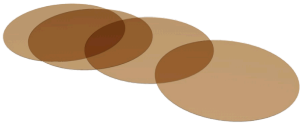
Accessories available

OPERATING CONDITIONS

		SIGHT GLASS		GASKETS			
		Soda-lime-glass DIN 8902	**Borosilicate glass** DIN 7080	**PTFE** max. 200 °C	**FKM** max. 200 °C	**C4400** max. 175 °C	**Graphite** > 400 °C
TEMPERATURE	up to 150 °C	✓	✓	✓	✓	✓	✓
	up to 175 °C	✗	✓	✓	✓	✓	✓
	up to 200 °C	✗	✓	✓	✓	✗	✓
	up to 280 °C	✗	✓	✗	✗	✗	✓
	> 280 °C	On Request					
PRESSURE	up to 16 barg	✓	✓	✓	✓	✓	✓
	up to 25 barg	✓	✓	✓	✗	✓	✓
	up to 40 barg	✓	✓	✓	✗	✓	✓

✓ suitable ✗ unsuitable

OPTIONAL ACCESSORIES



Round mica discs

> up to 320 °C with Borosilicate glass DIN 7080

LED lights

> for Ex and non-Ex areas

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